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NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered
NEWS 5 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 6 MAY 11 KOREAPAT updates resume
NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and
USPATFULL/USPAT2
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAplus
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 14 JUL 14 FSTA enhanced with Japanese patents
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 17 AUG 28 ADISCTI Reloaded and Enhanced

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 14:06:24 ON 29 AUG 2006

SINCE FILE ENTRY	TOTAL SESSION
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FILE 'REGISTRY' ENTERED AT 14:06:39 ON 29 AUG 2006

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STRUCTURE FILE UPDATES: 28 AUG 2006 HIGHEST RN 904961-01-9
DICTIONARY FILE UPDATES: 28 AUG 2006 HIGHEST RN 904961-01-9

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predicted properties as well as tags indicating availability of
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<http://www.cas.org/ONLINE/UG/regprops.html>

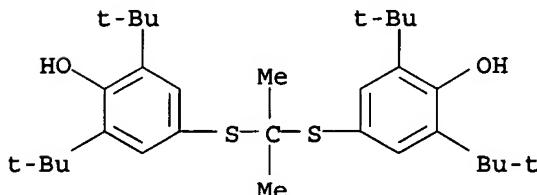
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=> e probucol/cn
E1      1      PROBRIMIDE 200/CN
E2      1      PROBROMIDE 286/CN
E3      1 --> PROBUCOL/CN
E4      1      PROBUCOL DISUCCINATE/CN
E5      1      PROBUCOL MONOSUCCINATE/CN
E6      1      PROBUCOL SPIROQUINONE/CN
E7      1      PROBURSIN TETRADECAPEPTIDE/CN
E8      1      PROBUTYL DB 10/CN
E9      1      PROBUTYLIN/CN
E10     1      PROC (METHANOSPHAERA STADTMANAE STRAIN DSM 3091 GENE PROC) /C
          N
          ^
E11     1      PROC (MYCOBACTERIUM AVIUM PARATUBERCULOSIS STRAIN K-10 GENE
          PROC) /CN
E12     1      PROC (PASTEURELLA MULTOCIDA STRAIN IL1403 CLONE PM70 GENE PR
          OC) /CN

=> e3
L1      1 PROBUCOL/CN

=> d 11
```

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L1      ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2006 ACS on STN
RN      23288-49-5  REGISTRY
ED      Entered STN: 16 Nov 1984
CN      Phenol, 4,4'-(1-methylethylidene)bis(thio)]bis[2,6-bis(1,1-dimethylethyl)-
          (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN      Acetone, bis(3,5-di-tert-butyl-4-hydroxyphenyl) mercaptole (8CI)
CN      Phenol, 4,4'-(isopropylidenedithio)bis[2,6-di-tert-butyl- (8CI)
OTHER NAMES:
CN      4,4'-(Isopropylidenedithio)bis[2,6-di-tert-butylphenol]
CN      Biphenabid
CN      Bisbid
CN      Bisphenabid
CN      DH 581
CN      Lipomal
CN      Lorelco
CN      Lurselle
CN      NSC 652160
CN      NSC 86225
```

CN Panavir
 CN Phenbutol
 CN Probutol
 CN Sinlestal
 FS 3D CONCORD
 MF C31 H48 O2 S2
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS,
 BIOTECHNO, CA, CABA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN,
 CSCHEM, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS,
 IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, PS,
 RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

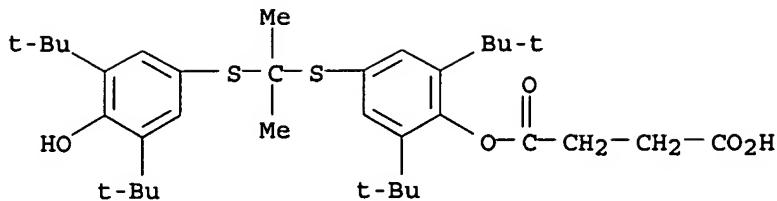
1196 REFERENCES IN FILE CA (1907 TO DATE)
 27 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1198 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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=> e5
L2      1 "PROBUCOL MONOSUCCINATE"/CN

=> d 12

L2      ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN      216167-82-7 REGISTRY
ED      Entered STN: 29 Dec 1998
CN      Butanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI) (CA INDEX NAME)
OTHER NAMES:
CN      AGI 1067
CN      Probutol monosuccinate
CN      Succinobutol
FS      3D CONCORD
MF      C35 H52 O5 S2
CI      COM
SR      CA
LC      STN Files: ADISINSIGHT, BIOSIS, CA, CAPLUS, CASREACT, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, PROUSDDR, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
  
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

32 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 32 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus			
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	ENTRY	SESSION	
FULL ESTIMATED COST	14.64	14.85	

FILE 'CAPLUS' ENTERED AT 14:08:13 ON 29 AUG 2006
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 FILE LAST UPDATED: 28 Aug 2006 (20060828/ED)

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=> d his

(FILE 'HOME' ENTERED AT 14:06:24 ON 29 AUG 2006)

FILE 'REGISTRY' ENTERED AT 14:06:39 ON 29 AUG 2006
 E PROBUCOL/CN

L1	1 E3
L2	1 E5

FILE 'CAPLUS' ENTERED AT 14:08:13 ON 29 AUG 2006

=> l1
 L3 1198 L1

=> save temp l3 probucols/a
 ANSWER SET L3 HAS BEEN SAVED AS 'PROBUCOLS/A'

=> l2

L4 32 L2

=> save temp 14 probucsucc/a
ANSWER SET L4 HAS BEEN SAVED AS 'PROBUCSUCC/A'

=> 12/prep

32 L2
3518443 PREP/RL
L5 7 L2/PREP
(L2 (L) PREP/RL)

=> base
ENTER A FILE NAME OR (HOME):end

=> search base
676150 BASE
153063 BASES
L6 769298 BASE
(BASE OR BASES)

=> 15 and 16

L7 0 L5 AND L6

=> d 15 1-7 ti

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for preparing esters of probucol and derivatives thereof using acid anhydrides in the presence of DBU or DBN.

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for preparation of probucol derivatives

L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process of preparing esters and ethers of probucol and derivatives thereof

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Methods of reversing and preventing cardiovascular pathologies

L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Probucol monoesters for increasing levels and improving functionality of plasma HDL cholesterol

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for preparing water-soluble probucol acyl esters for use as food antioxidants

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of phenolic compounds for the inhibition of the expression of VCAM-1

=> d 15 1-7 ti fbib abs

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for preparing esters of probucol and derivatives thereof using acid anhydrides in the presence of DBU or DBN.
AN 2005:1170583 CAPLUS
DN 143:440071
TI Process for preparing esters of probucol and derivatives thereof using acid anhydrides in the presence of DBU or DBN.
IN Weingarten, David M.
PA Atherogenics, Inc., USA
SO PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DT Patent

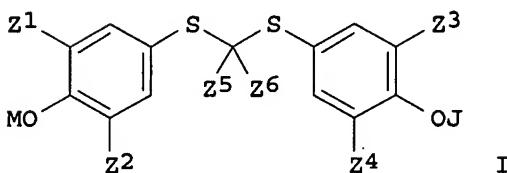
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005102323	A2	20051103	WO 2005-US13394	20050420
	WO 2005102323	A3	20051215		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			US 2004-564267P	P 20040420
	US 2005267187	A1	20051201	US 2005-111194	20050420
				US 2004-564267P	P 20040420

OS MARPAT 143:440071

GI



I

AB Title compds. [I; Z1-Z4 = H, (substituted) alkyl; Z5, Z6 = (substituted) alkyl, alkenyl, aryl; Z5Z6 = atoms to form a carbocyclic ring; M = H, (substituted) (unsatd.) acyl; J = (substituted) (unsatd.) acyl], were prepared by reaction of I (M, J = H; other variables as above) with (substituted) (unsatd.) acyl halides, carboxylic acid anhydrides, or carboxylic acid esters in the presence of R1R3NCY(:NR4) (Y = R2, NR2R5; R1-R5 = (substituted) alkyl, alkenyl; R1R2, R3R4 = atoms to form rings). Thus, probucol, succinic anhydride, and DBU were stirred in MeCN at 50° for 1 h to give a mixture comprising probucol monosuccinate 49 weight%, probucol disuccinate 18 weight%, and probucol 33 weight%.

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN

TI Process for preparation of probucol derivatives

AN 2005:1103383 CAPLUS

DN 143:392944

TI Process for preparation of probucol derivatives

IN Jass, Paul Alan; Douglas, Jason Scott

PA USA

SO U.S. Pat. Appl. Publ., 5 pp.

CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005228192	A1	20051013	US 2004-821426	20040409
	WO 2005102985	A1	20051103	WO 2004-US21336	20040702
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,				

NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
 TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
 AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
 EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
 SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
 SN, TD, TG

US 2004-821426 A 20040409

OS MARPAT 143:392944

AB A method is described for the preparation of polymorphic forms of water-soluble derivs. of probucol compds. (Markush structure is given). Probucol was reacted with succinic anhydride to obtain mono-, and di-succinylated probucol derivs. which were separated and purified.

LS ANSWER 3 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Process of preparing esters and ethers of probucol and derivatives thereof
 AN 2004:610066 CAPLUS
 DN 141:156929
 TI Process of preparing esters and ethers of probucol and derivatives thereof
 IN Weingarten, M. David; Sikorski, James A.
 PA Atherogenics, Inc., USA
 SO PCT Int. Appl., 136 pp.
 CODEN: PIXXD2

DT Patent

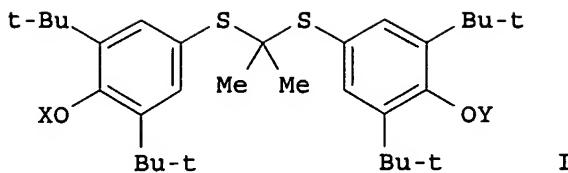
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004062622	A2	20040729	WO 2004-US805	20040113
	WO 2004062622	A3	20041202	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ	US 2003-439665P P 20030113
AU	2004204824	A1	20040729	AU 2004-204824	20040113
				US 2003-439665P	P 20030113
CA	2512980	AA	20040729	WO 2004-US805	W 20040113
				CA 2004-2512980	20040113
US	2004204485	A1	20041014	US 2003-439665P	P 20030113
				US 2004-757664	20040113
EP	1594824	A2	20051116	EP 2004-701812	20040113
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK	US 2003-439665P	P 20030113		
BR	2004006738	A	20051220	WO 2004-US805	W 20040113
				BR 2004-6738	20040113
CN	1759084	A	20060412	US 2003-439665P	P 20030113
				WO 2004-US805	W 20040113
JP	2006516569	T2	20060706	CN 2004-80006265	20040113
				US 2003-439665P	P 20030113
			JP 2006-500935	20040113	
			US 2003-439665P	P 20030113	
			WO 2004-US805	W 20040113	

OS MARPAT 141:156929

GI



AB Probucol or a probucol derivative can be efficiently converted to a monoester or monoether of probucol (I) [wherein R1-R4 = H, (un)substituted alkyl; R5, R6 = each (un)substituted alkyl, alkenyl, or aryl; or R5 and R6 can come together to form a carbocyclic ring; X, Y = H, optionally substituted (un)saturated acyl having from 1 to 18 carbon atoms each optionally containing polar or charged functionality] by reacting the free hydroxyl-containing probucol or a derivative thereof (by which is meant a probucol compound with at least one substituent that is different from that on the parent probucol mol. but which maintains the two free hydroxyl groups), i.e., I (X = Y = H; R1-R6 = same as above), with a Grignard reagent or a lithium reagent that produces a magnesium bromide or lithium salt of probucol or the probucol derivative. The probucol compound anion is then reacted with an ester or ether forming compound. Thus, in a dry 25 mL 3-neck round bottom flask fitted with a reflux condenser, nitrogen inlet, thermocouple and stir bar was charged probucol (0.25 g, 0.48 mmol) followed by 2.5 mL anhydrous toluene and then isopropylmagnesium chloride (0.51 mL, 2.0 M in THF) in 1 portion. The reaction was brought to room temperature and then succinic anhydride (0.25 g, 2.5 mmol) was added in 1 portion. After aging for 45 min, the reaction was slowly quenched with 1 N HCl and diluted with EtOAc. The biphasic reaction was then cooled to room temperature and the phases were separated to give an organic layer containing 60% probucol monosuccinate, 13% probucol disuccinate, and 27% probucol according to HPLC anal.

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Methods of reversing and preventing cardiovascular pathologies
 AN 2003:376540 CAPLUS
 DN 138:362685
 TI Methods of reversing and preventing cardiovascular pathologies
 IN Glass, Mitchell; Tardif, Jean-Claude
 PA Atherogenics, Inc., USA
 SO PCT Int. Appl., 64 pp.
 CODEN: PIXXD2

DT Patent

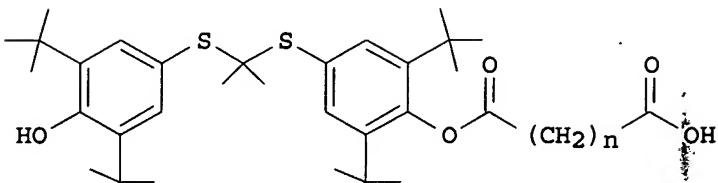
LA English

FAN.CNT 1

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PI	WO 2003039352	A2	20030515	WO 2002-US37274	20021112
	WO 2003039352	A3	20031023		
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CA 2466081	AA	20030515	US 2001-347778P	P 20011109	
			CA 2002-2466081	20021112	
			US 2001-347778P	P 20011109	

US 2003181520	A1	20030925	WO 2002-US37274	W 20021112
			US 2002-293399	20021112
			US 2001-347778P	P 20011109
EP 1451138	A2	20040901	EP 2002-789782	20021112
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK			US 2001-347778P	P 20011109
			WO 2002-US37274	W 20021112
CN 1612855	A	20050504	CN 2002-826999	20021112
			US 2001-347778P	P 20011109
JP 2006506314	T2	20060223	JP 2003-541450	20021112
			US 2001-347778P	P 20011109
			WO 2002-US37274	W 20021112

OS MARPAT 138:362685
GI



I

AB The present invention is a method to increase the lumen diameter of a coronary blood vessel, that includes administering a lumen increasing amount of a compound of the formula I wherein x is defined as an integer between 1 and 4; or a pharmaceutically acceptable salt, ester or prodrug thereof.

L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
TI Probucole monoesters for increasing levels and improving functionality of plasma HDL cholesterol
AN 2002:849415 CAPLUS
DN 137:333157
TI Probucole monoesters for increasing levels and improving functionality of plasma HDL cholesterol
IN Luchoomun, Jayraz; Saxena, Uday; Sundell, Cynthia L.; Sikorski, James A.
PA Atherogenics, Inc., USA
SO PCT Int. Appl., 161 pp.
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

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PI	WO 2002087556	A2	20021107	WO 2002-US12678	20020411
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	WO 2002087556	C2	20030320		
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				US 2001-345025P	P 20011109
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US 2001-283376P	P	20010411
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US 2001-345025P	P	20011109
US 2002-122516	A1	20020411
US 2005065121	A1	20050324

OS MARPAT 137:333157

AB It has been discovered that certain selected probucol monoesters, and their pharmaceutically acceptable salts or prodrugs, are useful for increasing circulating HDL cholesterol. These compds. may also improve HDL functionality by (a) increasing clearance of cholestryl esters, (b) increasing HDL-particle affinity for hepatic cell surface receptors, or (c) increasing the half-life of apoAI-HDL. The pharmaceutical compns. comprise probucol monoesters alone or in combination with other agents, e.g., statins, IBAT inhibitors, MTP inhibitors, cholesterol absorption inhibitors, phytosterols, CETP inhibitors, fibrin acid derivs., and antihypertensive agents. For example, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl]ester of pentanedioic acid, prepared from probucol and glutaric anhydride, elevated HDLc in hyperlipidemic hamster by 22% (average of 3 expts., range 5-44%), compared to untreated controls after 2 wk treatment at a dose of 150 mg/kg/day. LDLc was reduced by 29% on average, VLDL cholesterol by 42%, and triglycerides by 24%, compared to controls. The compound was well tolerated and all animals gained weight

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Process for preparing water-soluble probucol acyl esters for use as food
 antioxidants
 AN 2001:863541 CAPLUS
 DN 135:371524

TI Process for preparing water-soluble probucol acyl esters for use as food
 antioxidants

IN Jass, Paul Alan
 PA Salsbury Chemicals, Inc., USA
 SO U.S., 5 pp.
 CODEN: USXXAM

DT Patent
 LA English

FAN.CNT 1

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PI US 6323359	B1	20011127	US 2000-562657 US 2000-562657	20000502 20000502

OS CASREACT 135:371524; MARPAT 135:371524
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US 6121319	A	20000919	US 1998-78935		19980514
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BR 9809819	A	20010918	BR 1998-9819		19980514
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			WO 1998-US9781	W	19980514
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			US 1997-47020P	P	19970514
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			US 1997-47020P	P	19970514
EP 1464639	A1	20041006	EP 2004-75141		19980514
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IL 157078	A1	20050517	IL 1998-157078		19980514
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			IL 1998-132797	A3	19980514
			WO 1998-US9781	W	19980514
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ES 2241139	T3	20051016	ES 1998-922264		19980514
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			WO 1998-US9781	A 19980514
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			US 1999-370046	A1 19990806
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			US 1997-47020P	P 19970514
			AU 2002-300328	A3 20020730

PATENT FAMILY INFORMATION:

FAN 1998:761806

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9851289	A2	19981119	WO 1998-US9773	19980514
	WO 9851289	A3	19990514		
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	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
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CA	2292388	AA	19981119	CA 1998-2292388	19980514
	CA 2292388	C	20040720		
			US 1997-47020P	P 19970514	
			WO 1998-US9773	W 19980514	
CA	2428130	AA	19981119	CA 1998-2428130	19980514
			US 1997-47020P	P 19970514	
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			WO 1998-US9773	W 19980514	
TR	9902802	T2	20000421	TR 1999-2802	19980514
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NZ	501069	A	20000728	NZ 1997-501069	19980514
			US 1997-47020P	P 19970514	
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US	6121319	A	20000919	US 1998-78935	19980514
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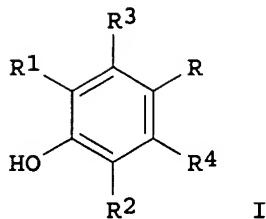
CN 1496739	A	20040519	WO 1998-US9773 CN 2003-2003153066 US 1997-47020P	W 19980514 19980514 P 19970514
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MX 9910404	A	20000630	MX 1999-10404 US 1997-47020P WO 1998-US9773	19991112 P 19970514 W 19980514
HK 1024629	A1	20051118	HK 2000-103938 US 1997-47020P WO 1998-US9773	20000629 P 19970514 A 19980514
US 2005090487	A1	20050428	US 2003-647766 US 1997-47020P US 1998-79213 US 1999-370046 US 2002-60734	20030825 P 19970514 A1 19980514 A1 19990806 A1 20020130
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FAN 2001:713364				
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EP 1289944	A2	20030312	EP 2001-920617	20010321

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			AU 2002-300328	A3 20020730

OS MARPAT 130:13646
 GI



AB Title compds. [e.g., I; R = Z1Z2R5; R1,R2 = (un)substituted (cyclo)alkyl, -(hetero)aryl, etc.; R3,R4 = any group that does not otherwise adversely affect (sic) the desired properties of the mol. including H, halogen, or R1 (sic); R5 = (di)(alkyl)amino, alkyl, alkoxy(carbonyl), (hetero)aryl, etc.; Z1 = O SOO-2, NH, CH2; Z2 = bond, alkylene(oxy) aryleneoxy, etc.] were prepared. Thus, 4-(BrCH₂)C₆H₄CH₂CO₂H was thioetherified by 4-mercapto-2,6-di-tert-butylphenol to give I [R = SCH₂C₆H₄(CH₂CO₂H)-4, R₁ = R₂ = CMe₃, R₃ = R₄ = H]. Data for biol. activity of I were given.

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 116016 PHENOLS
 302679 PHENOL
 (PHENOL OR PHENOLS)

=> bisphenolo
 L9 0 BISPHENOLO
 0 BISPHENOLO
 => bisphenol
 L10 71469 BISPHENOL
 4778 BISPHENOLS
 72881 BISPHENOL
 (BISPHENOL OR BISPHENOLS)

=> grignard
43179 GRIGNARD
638 GRIGNARDS
L11 43342 GRIGNARD
(GRIGNARD OR GRIGNARDS)

=> l10 and l11
L12 32 L10 AND L11

=> l10(l)l11
L13 13 L10(L)L11

=> d l13 1-13 ti

L13 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Advances in nanocontact molding for the patterning of polythiophene

L13 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Manufacture of a N-heterocyclic-substituted poly(aryl ether sulfone)

L13 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Manufacture of functionalized polyaryl ether sulfones via bromination

L13 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Dialkyl titanium complexes that contain a sulfur-linked bis(phenolato) ligand: the structure of an olefin polymerization catalyst precursor

L13 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI New bisphenols with silylene fragments: synthesis and spectra

L13 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Photochromic heterocyclic fused indenonaphthopyrans

L13 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Knots for Molecular Strings of Beads

L13 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Thermal printing materials

L13 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI 3,3-Bis(2,2-diphenylvinyl)phthalides as leuco dyes and recording materials containing them

L13 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Catalysts for manufacture of olefin random copolymers

L13 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Recording material

L13 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Products of the thermal degradation of the adduct of bisphenol A diglycidyl ether and p,p'-diaminodiphenylmethane

L13 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN
TI Linear polycondensates of triazine monomers

=> monosub?
L14 10656 MONOSUB?

=> l10 and l14
L15 20 L10 AND L14

=> l12 and l15

L16 0 L12 AND L15

=> d l15 10-20 ti

L15 ANSWER 10 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Thermotropic liquid-crystalline aromatic polyesters

L15 ANSWER 11 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI A comparison of spin relaxation and local motion between symmetrically and
asymmetrically ring-substituted bisphenol units in dissolved
polycarbonates

L15 ANSWER 12 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Poly(2-aminoalkyl)polyamines

L15 ANSWER 13 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Correlation analysis of polycondensation processes

L15 ANSWER 14 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Oxidation of bisphenols. II. Some compounds related to
galvinoxyl

L15 ANSWER 15 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis of mixed phosphites and study of their inhibiting action against
the oxidative thermal aging of low-density polyethylene

L15 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis and study of sterically hindered bisphenols as light
stabilizers of polyethylene

L15 ANSWER 17 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Carboxy copolymers prepared in 1,2-epoxy compounds

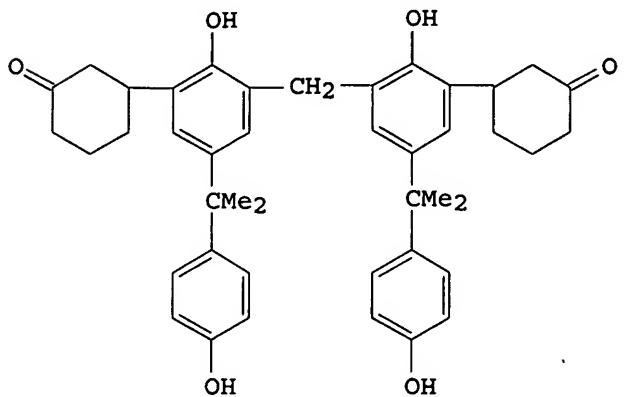
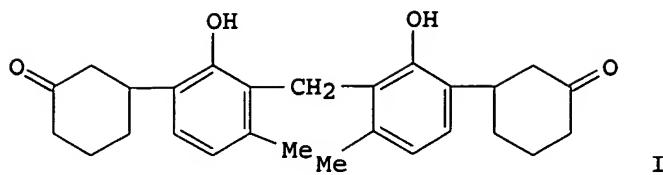
L15 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Lubricating oil compositions

L15 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Stabilizing agents to inhibit the degradation of poly- α -olefins by
light and heat

L15 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Derivatives of triphenylphosphine and triphenylphosphine oxide

=> d l15 16 ti fbib abs

L15 ANSWER 16 OF 20 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis and study of sterically hindered bisphenols as light
stabilizers of polyethylene
AN 1978:510890 CAPLUS
DN 89:110890
TI Synthesis and study of sterically hindered bisphenols as light
stabilizers of polyethylene
AU Naumova, S. F.; Balykina, M. V.; Akulich, Z. I.; Velikanova, L. V.;
Bolbotunova, T. N.
CS Inst. Fiz.-Org. Khim., Minsk, USSR
SO Doklady Akademii Nauk BSSR (1978), 22(5), 437-9
CODEN: DBLRAC; ISSN: 0002-354X
DT Journal
LA Russian
GI



AB The title bisphenols I [67013-77-8] and II [67066-61-9] were prepared by alkylation with 2-cyclohexen-1-one [930-68-7] of m-cresol [108-39-4] and 2,2-bis(4-hydroxyphenyl)propane [80-05-7], resp., and condensation of the resulting monosubstituted products with HCHO [50-00-0]. Tests in low-d. polyethylene [9002-88-4] indicated that I and II were as effective light stabilizers as Benzon OA (2-hydroxy-4-alkoxybenzophenone). I and II, by being solid (m.p. 50-5 and 65-70°, resp.), offered advantages over liquid Benzon OA.

=> d his

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E PROBUCOL/CN

L1 1 E3
L2 1 E5

FILE 'CAPLUS' ENTERED AT 14:08:13 ON 29 AUG 2006

L3 1198 L1
SAVE TEMP L3 PROBUCOLS/A
L4 32 L2
SAVE TEMP L4 PROBUCSUCC/A
L5 7 L2/PREP
L6 769298 SEARCH BASE
L7 0 L5 AND L6
L8 302679 PHENOL
L9 0 BISPHENOLO
L10 72881 BISPHENOL
L11 43342 GRIGNARD
L12 32 L10 AND L11
L13 13 L10(L) L11
L14 10656 MONOSUB?
L15 20 L10 AND L14
L16 0 L12 AND L15

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L# LIST L1-L16 HAS BEEN SAVED AS 'MYSRCH/L'

=> l3 and l11

L17 1 L3 AND L11

=> d 117

L17 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:610066 CAPLUS
DN 141:156929
TI Process of preparing esters and ethers of probucol and derivatives thereof
IN Weingarten, M. David; Sikorski, James A.
PA Atherogenics, Inc., USA
SO PCT Int. Appl., 136 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004062622	A2	20040729	WO 2004-US805	20040113
	WO 2004062622	A3	20041202		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ				
	AU 2004204824	A1	20040729	AU 2004-204824	20040113
	CA 2512980	AA	20040729	CA 2004-2512980	20040113
	US 2004204485	A1	20041014	US 2004-757664	20040113
	EP 1594824	A2	20051116	EP 2004-701812	20040113
	R: AT, BE, CH, DE, DK, ES, FR, IE, SI, LT, LV, FI, RO, MK	GB, GR, IT, LI, LU, NL, SE, MC, PT, CY, AL, TR, BG, CZ, EE, HU, SK			
	BR 2004006738	A	20051220	BR 2004-6738	20040113
	CN 1759084	A	20060412	CN 2004-80006265	20040113
	JP 2006516569	T2	20060706	JP 2006-500935	20040113
PRAI	US 2003-439665P	P	20030113		
	WO 2004-US805	W	20040113		
OS	MARPAT	141:156929			

=> l18 (1) 111
L18 364 L8 (L) L11

=> butoxide
12148 BUTOXIDE
259 BUTOXIDES
L19 12253 BUTOXIDE
(BUTOXIDE OR BUTOXIDES)

=> l18 (1) 119
L20 0 L18 (L) L19

=> l18 and 119
L21 1 L18 AND L19

=> d 121

L21 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1979:186581 CAPLUS
DN 90:186581
TI Hydroxyalkyl- and oxoalkyl-substituted phenols
IN Althuis, Thomas Henry; Harbert, Charles Armon; Johnson, Michael Ross;
Melvin, Lawrence Sherman, Jr.
PA Pfizer Inc., USA
SO Ger. Offen., 54 pp.
CODEN: GWXXBX
DT Patent
LA German

FAN.CNT 1		KIND	DATE	APPLICATION NO.	DATE
PATENT NO.					
PI	DE 2839884	A1	19790315	DE 1978-2839884	19780913
	DE 2839884	C2	19821125		
	US 4283569	A	19810811	US 1977-832868	19770913
	JP 54048728	A2	19790417	JP 1978-111620	19780911
	JP 56043450	B4	19811013		
	BE 870402	A1	19790312	BE 1978-190417	19780912
	DK 7804011	A	19790314	DK 1978-4011	19780912
	NL 7809270	A	19790315	NL 1978-9270	19780912
	FR 2402640	A1	19790406	FR 1978-26122	19780912
	FR 2402640	B1	19810227		
	GB 2005257	A	19790419	GB 1978-36417	19780912
	GB 2005257	B2	19820526		
	US 4284829	A	19810818	US 1978-972595	19781222
	JP 56045437	A2	19810425	JP 1980-85032	19800623
	JP 59011571	B4	19840316		
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'MYSRCH/L' IN USE
A single name cannot be used for two saved items at the same time.
Enter "Y" if you wish to replace the current saved name with a new
definition. Enter "N" if the current saved definition must be
preserved. You may then reenter the SAVE command with a different
saved name. Enter "DISPLAY SAVED" at an arrow prompt (=>) to see a
list of your currently defined saved names.
REPLACE OLD DEFINITION? Y/(N):y
L# LIST L1-L21 HAS BEEN SAVED AS 'MYSRCH/L'
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SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:47:34 ON 29 AUG 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: SSSPTA1623PAZ

PASSWORD :

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006

NEWS 4 APR 04 STN AnaVist \$500 visualization usage credit offered
NEWS 5 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 6 MAY 11 KOREAPAT updates resume
NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 8 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and
USPATFULL/USPAT2
NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAplus
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 14 JUL 14 FSTA enhanced with Japanese patents
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 17 AUG 28 ADISCTI Reloaded and Enhanced

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 07:14:09 ON 30 AUG 2006

FILE 'REGISTRY' ENTERED AT 07:15:12 ON 30 AUG 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 28 AUG 2006 HIGHEST RN 904961-01-9
DICTIONARY FILE UPDATES: 28 AUG 2006 HIGHEST RN 904961-01-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

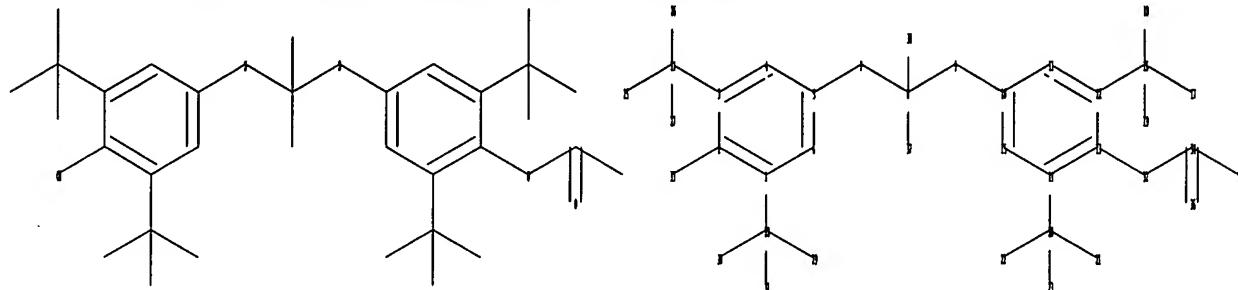
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of

experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10757664\10757664 probucol deriv core.str



chain nodes :

7 8 9 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
35 36 37 38

ring nodes :

1 2 3 4 5 6 10 11 12 13 14 15

chain bonds :

1-28 2-33 3-24 5-7 7-8 8-9 8-37 8-38 9-10 12-16 13-32 14-20 16-17
16-18 16-19 20-21 20-22 20-23 24-25 24-26 24-27 28-29 28-30 28-31 32-34
34-35 34-36

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

exact/norm bonds :

2-33 5-7 7-8 8-9 9-10 13-32 32-34 34-36

exact bonds :

1-28 3-24 8-37 8-38 12-16 14-20 16-17 16-18 16-19 20-21 20-22 20-23
24-25 24-26 24-27 28-29 28-30 28-31 34-35

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

Match level :

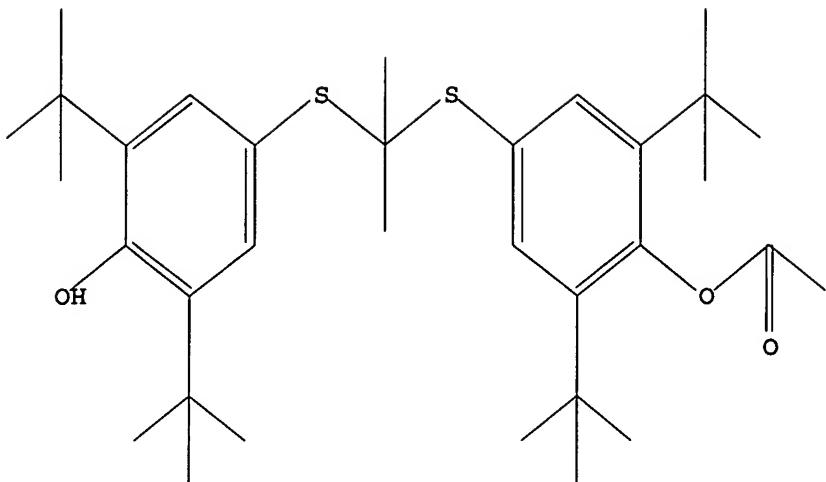
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11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS
28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS
36:CLASS 37:CLASS 38:CLASS

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam

COMBINATION OF STRUCTURE AND TEXT TERMS NOT VALID

The query entered contains both search terms created by structure-building or screen commands and text search terms. L#s created via the STRUCTURE or SCREEN commands must be searched in the structures files separately from text terms or profiles. The L# answer sets from structure searches can be used in crossover searches and can be combined with text terms.

=> search l1 sss sam

SAMPLE SEARCH INITIATED 07:15:47 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 15 TO ITERATE

100.0% PROCESSED 15 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 68 TO 532

PROJECTED ANSWERS: 3 TO 163

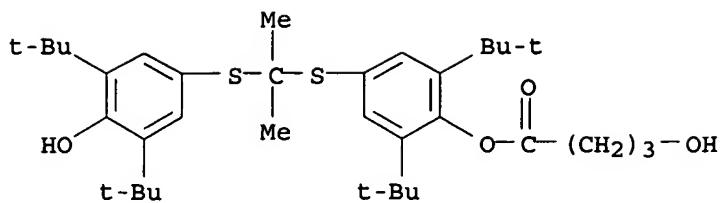
L2 3 SEA SSS SAM L1

=> d scan

L2 3 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

IN Butanoic acid, 4-hydroxy-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)

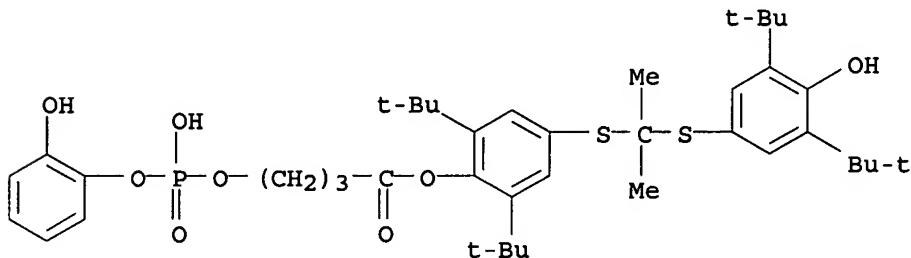
MF C35 H54 O4 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

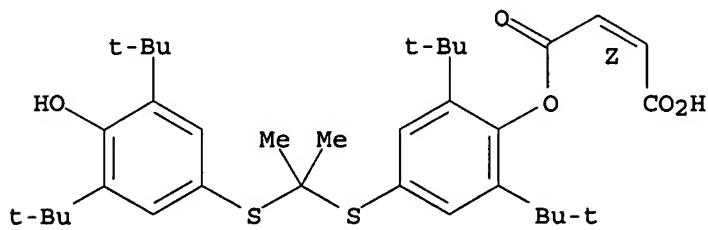
L2 3 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-[[hydroxy(2-hydroxyphenoxy)phosphinyl]oxy]-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C41 H59 O8 P S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 3 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 2-Butenedioic acid (2Z)-, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C35 H50 O5 S2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> search 11 sss full
 FULL SEARCH INITIATED 07:16:32 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 260 TO ITERATE

100.0% PROCESSED 260 ITERATIONS
SEARCH TIME: 00.00.02

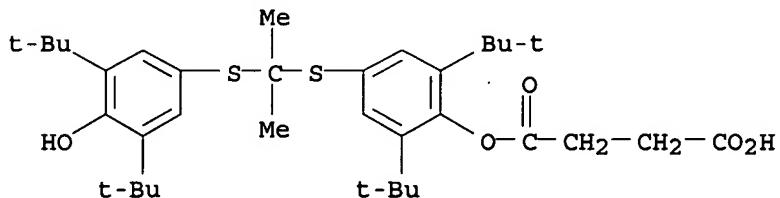
41 ANSWERS

L3 41 SEA SSS FUL L1

=> d scan

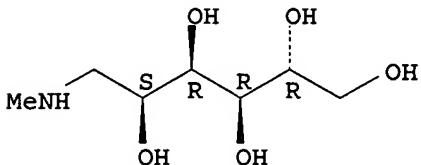
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN D-Glucitol, 1-deoxy-1-(methylamino)-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl butanedioate (salt) (9CI)
MF C35 H52 O5 S2 . C7 H17 N O5

CM 1



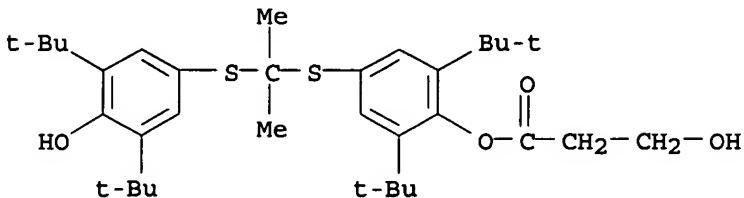
CM 2

Absolute stereochemistry.



HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):41

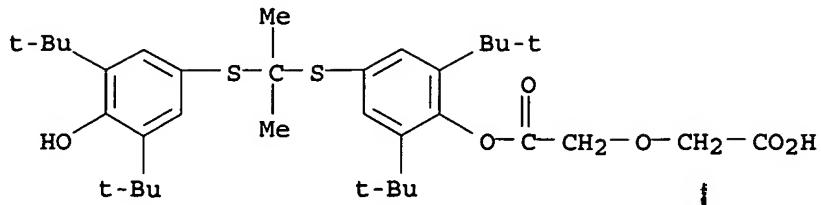
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Propanoic acid, 3-hydroxy-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
MF C34 H52 O4 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

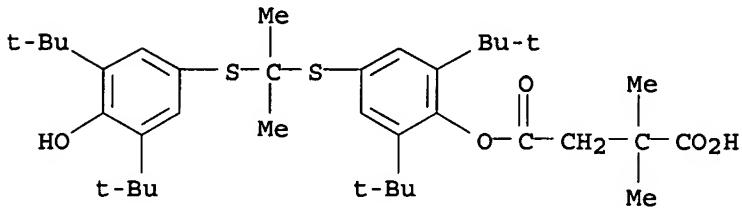
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Acetic acid, [2-[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl]acetyl (9CI)

1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenoxy]-2-oxoethoxy] - (9CI)
MF C35 H52 O6 S2



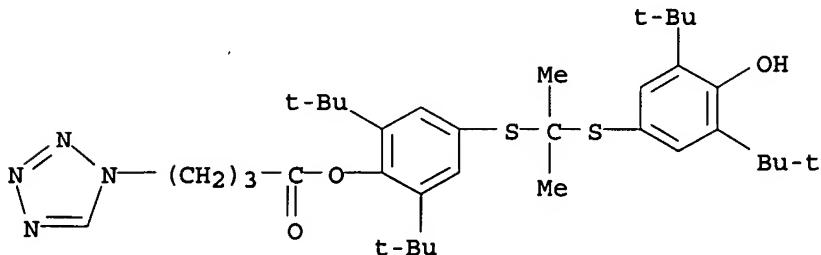
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Butanedioic acid, 2,2-dimethyl-, 4-[(1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
MF C37 H56 O5 S2



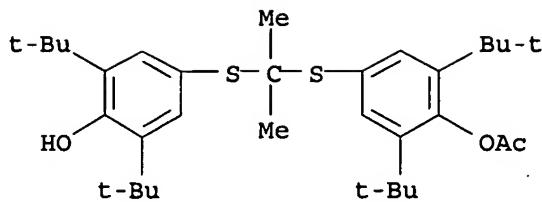
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 1H-Tetrazole-1-butanoic acid, 4-[(1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
MF C36 H54 N4 O3 S2



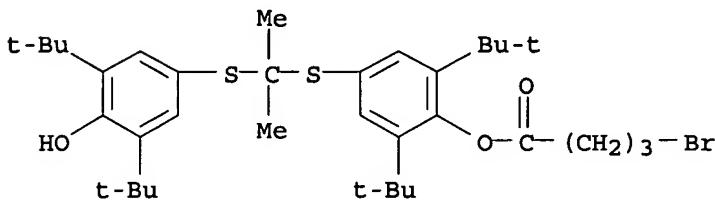
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Phenol, 4-[(1-[(4-(acetoxy)-3,5-bis(1,1-dimethylethyl)phenyl]thio)-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)- (9CI)
MF C33 H50 O3 S2



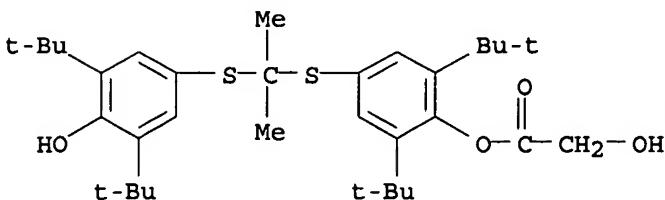
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-bromo-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C35 H53 Br O3 S2



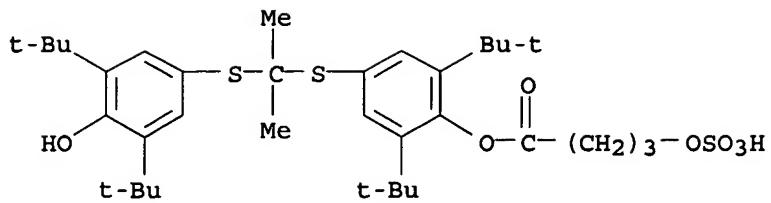
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L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Acetic acid, hydroxy-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C33 H50 O4 S2



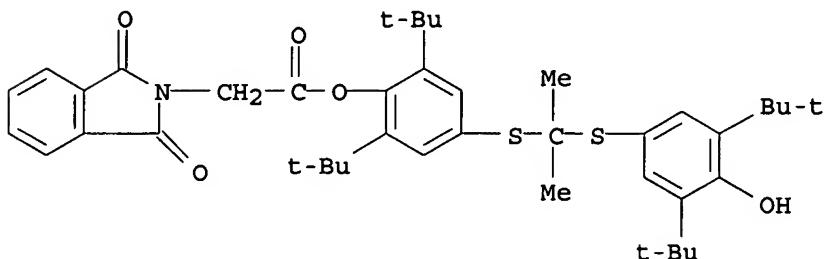
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-(sulfooxy)-, 1-[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester, monosodium salt (9CI)
 MF C35 H54 O7 S3 . Na



● Na

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 2H-Isoindole-2-acetic acid, 1,3-dihydro-1,3-dioxo-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C41 H53 N O5 S2

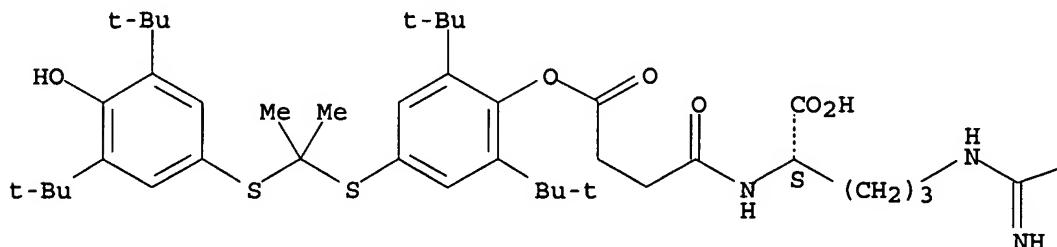


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN L-Arginine, N2-[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenoxy]-1,4-dioxobutyl]-(9CI)
 MF C41 H64 N4 O6 S2

Absolute stereochemistry.

PAGE 1-A

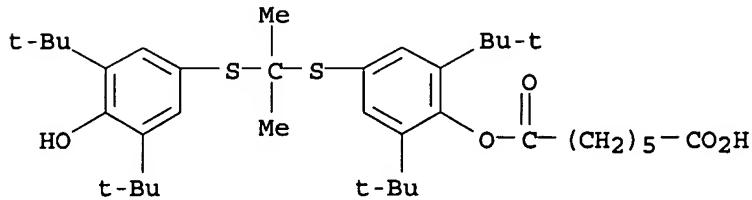


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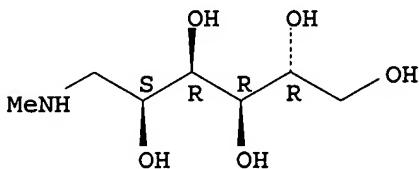
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN D-Glucitol, 1-deoxy-1-(methylamino)-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl heptanedioate (salt) (9CI)
 MF C38 H58 O5 S2 . C7 H17 N 05

CM 1

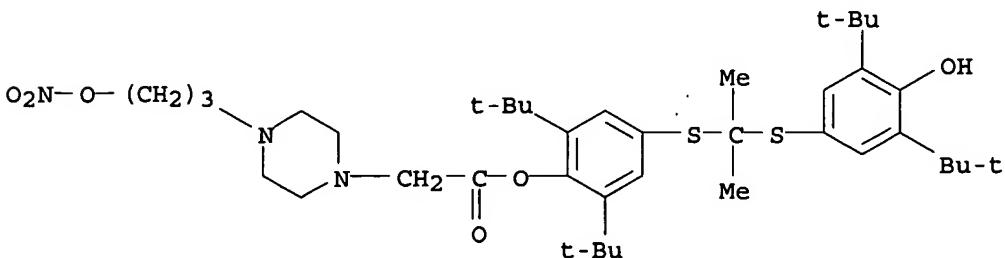


CM 2

Absolute stereochemistry.

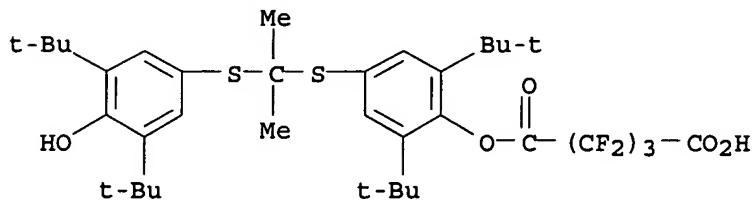


L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 1-Piperazineacetic acid, 4-[[3-(nitrooxy)propyl]-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C40 H63 N3 O6 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

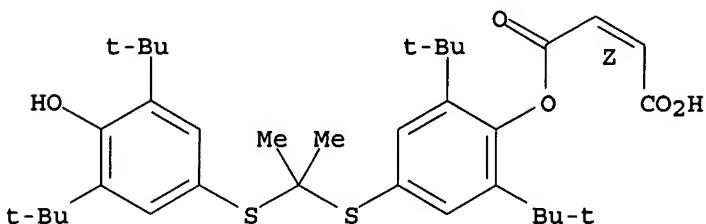
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Pentanedioic acid, hexafluoro-, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl]ester (9CI)
MF C36 H48 F6 O5 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

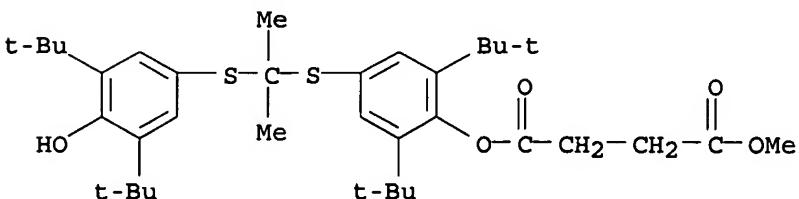
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN 2-Butenedioic acid (2Z)-, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl]ester (9CI)
MF C35 H50 O5 S2

Double bond geometry as shown.



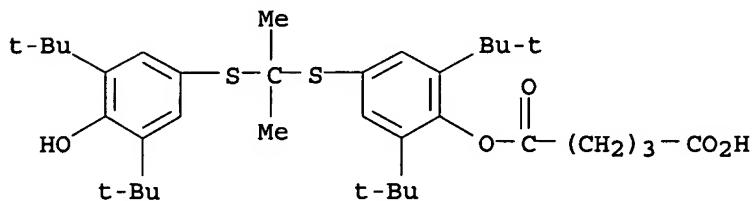
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L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Butanedioic acid, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl methyl ester (9CI)
MF C36 H54 O5 S2



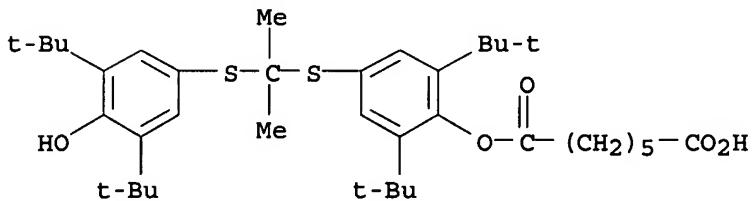
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Pentanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl]ester (9CI)
 MF C36 H54 O5 S2
 CI COM



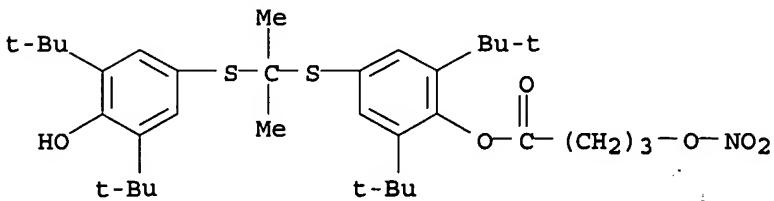
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Heptanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl]ester (9CI)
 MF C38 H58 O5 S2
 CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-(nitrooxy)-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C35 H53 N O6 S2

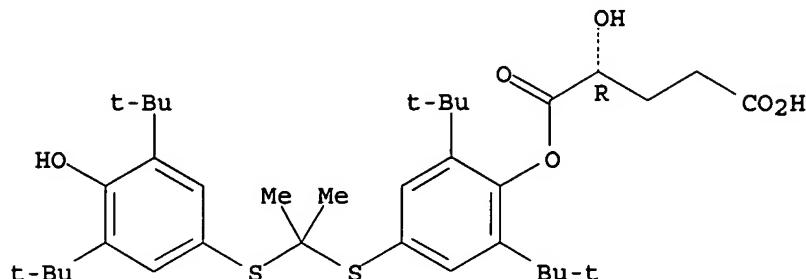


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Pentanedioic acid, 2-hydroxy-, 1-[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-

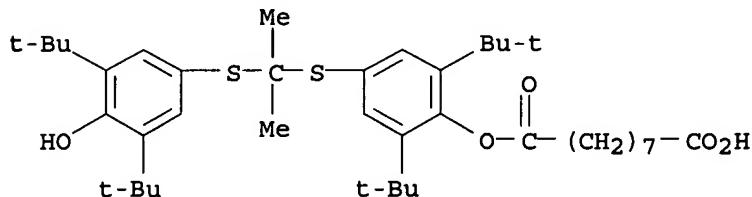
hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester, (2R)- (9CI)
MF C36 H54 O6 S2

Absolute stereochemistry.



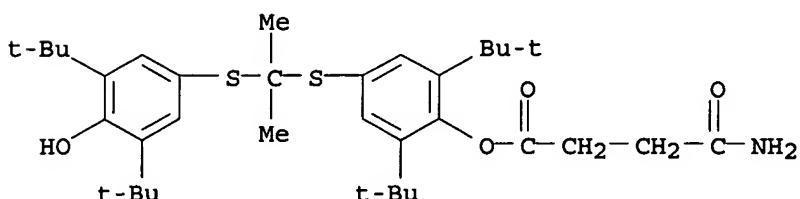
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Nonanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
MF C40 H62 O5 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

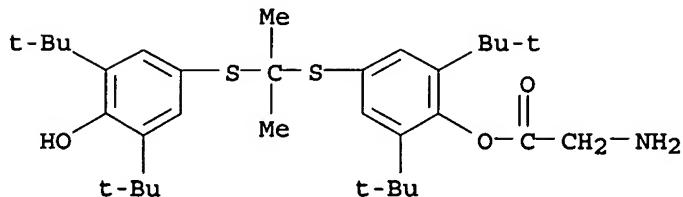
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Butanoic acid, 4-amino-4-oxo-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
MF C35 H53 N O4 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

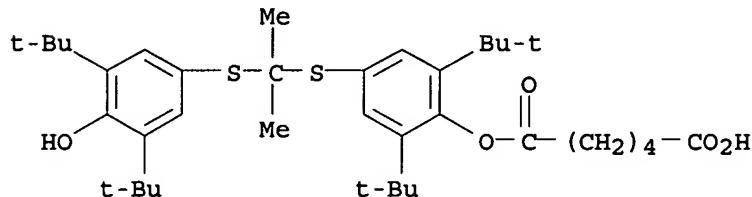
IN Glycine, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C33 H51 N O3 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

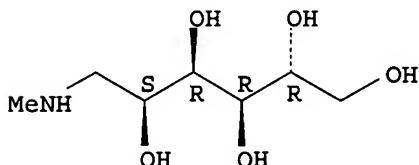
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN D-Glucitol, 1-deoxy-1-(methylamino)-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl hexanedioate (salt) (9CI)
 MF C37 H56 O5 S2 . C7 H17 N O5

CM 1

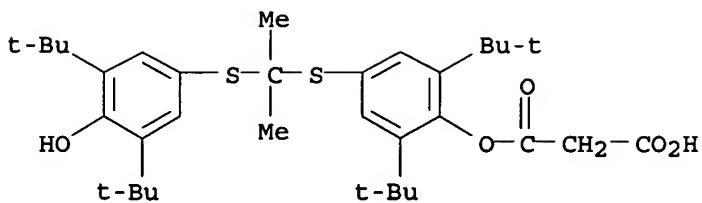


CM 2

Absolute stereochemistry.

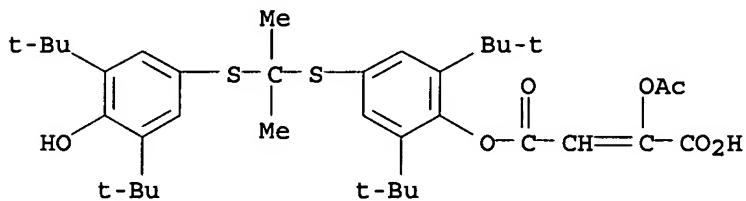


L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Propanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C34 H50 O5 S2
 CI COM



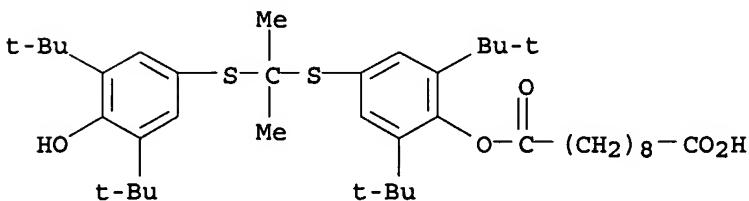
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L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN 2-Butenedioic acid, 2-(acetyloxy)-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C37 H52 O7 S2



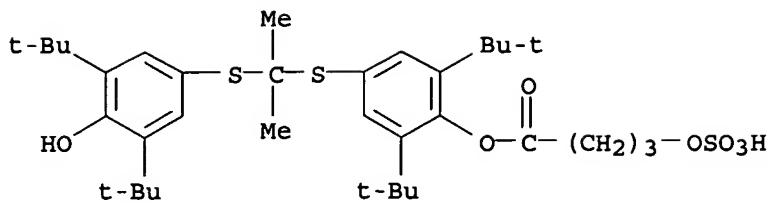
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Decanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C41 H64 O5 S2



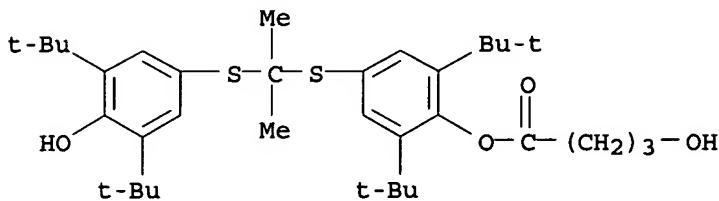
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L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-(sulfooxy)-, 1-[[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C35 H54 O7 S3
 CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

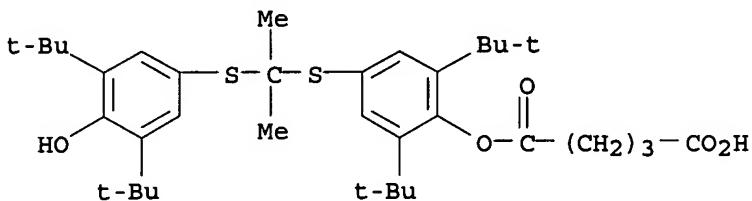
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-hydroxy-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C35 H54 O4 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

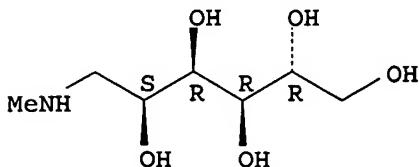
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN D-Glucitol, 1-deoxy-1-(methylamino)-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl pentanedioate (salt) (9CI)
 MF C36 H54 O5 S2 . C7 H17 N O5

CM 1

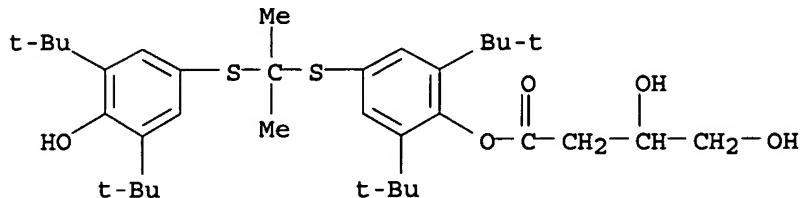


CM 2

Absolute stereochemistry.



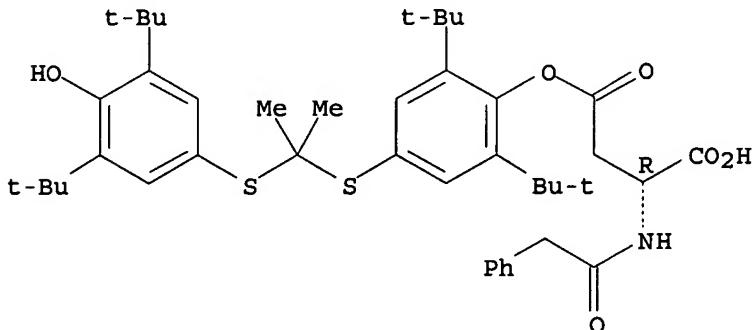
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 3,4-dihydroxy-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C35 H54 O5 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

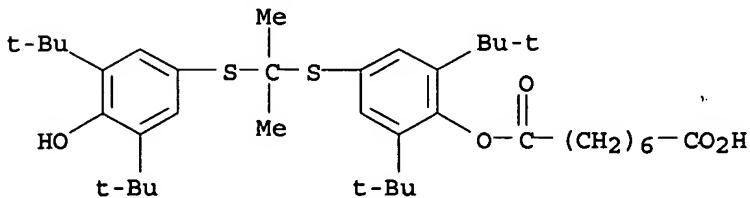
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN D-Aspartic acid, N-(phenylacetyl)-, 4-[[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C43 H59 N O6 S2

Absolute stereochemistry.



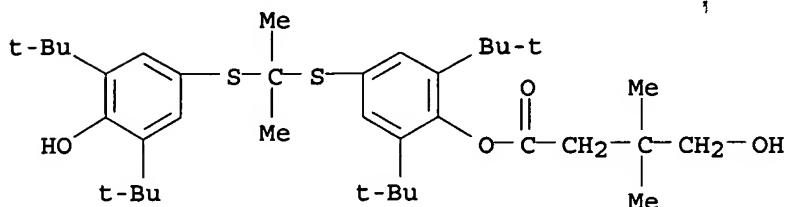
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L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Octanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C39 H60 O5 S2



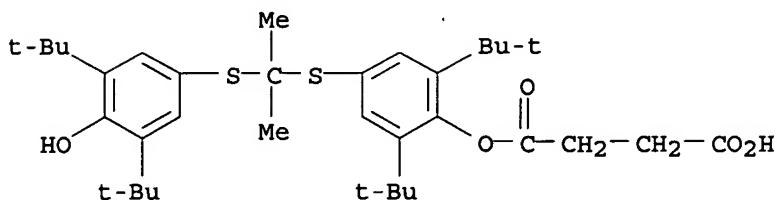
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L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanoic acid, 4-hydroxy-3,3-dimethyl-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
 MF C37 H58 O4 S2



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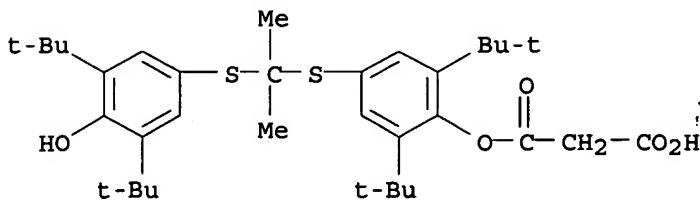
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN Butanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
 MF C35 H52 O5 S2
 CI COM



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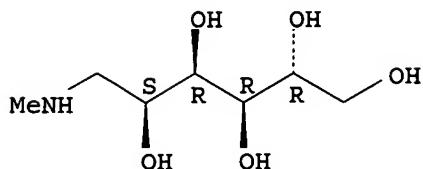
L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
 IN D-Glucitol, 1-deoxy-1-(methylamino)-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl propanedioate (salt) (9CI)
 MF C34 H50 O5 S2 . C7 H17 N O5

CM 1

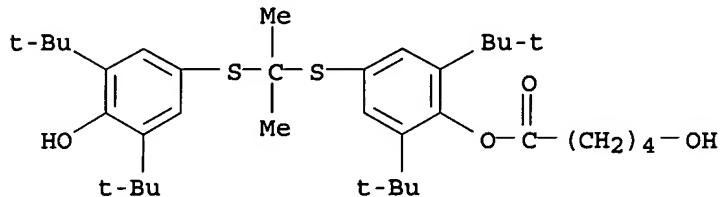


CM 2

Absolute stereochemistry.

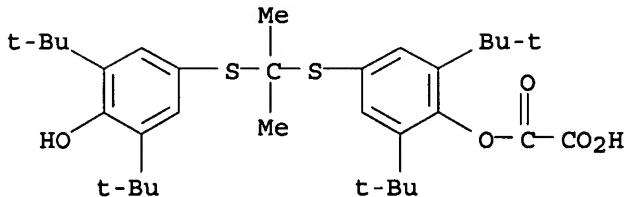


L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Pentanoic acid, 5-hydroxy-, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
MF C36 H56 O4 S2



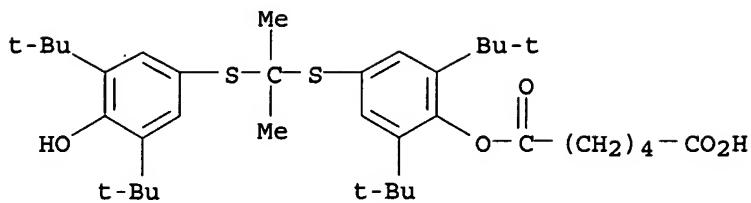
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L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Ethanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
MF C33 H48 O5 S2



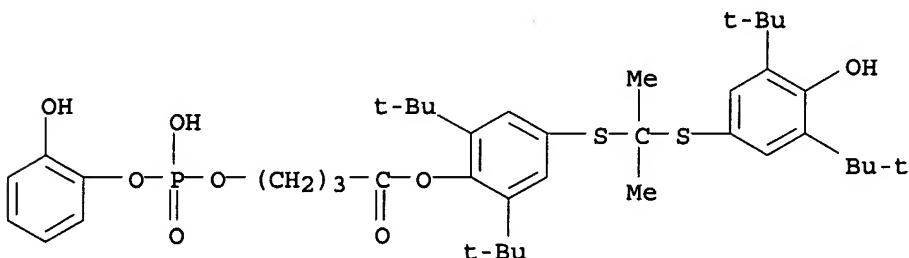
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L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Hexanedioic acid, mono[4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl] ester (9CI)
MF C37 H56 O5 S2
CI COM



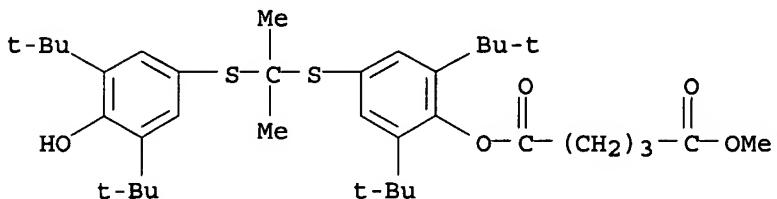
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L3 41 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
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 MF C41 H59 O8 P S2



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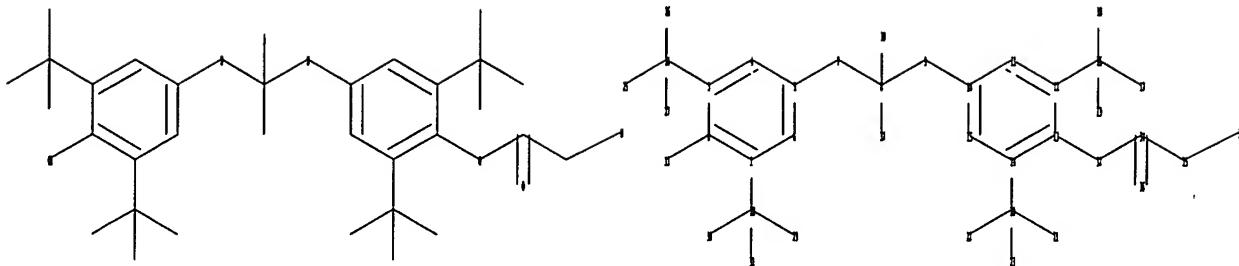
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 IN Pentanedioic acid, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl methyl ester (9CI)
 MF C37 H56 O5 S2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=>
 Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10757664\10757664 probucol amino sub core.str



chain nodes :

7 8 9 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
 35 36 37 38 39

ring nodes :

1 2 3 4 5 6 10 11 12 13 14 15

chain bonds :

1-28 2-33 3-24 5-7 7-8 8-9 8-37 8-38 9-10 12-16 13-32 14-20 16-17
 16-18 16-19 20-21 20-22 20-23 24-25 24-26 24-27 28-29 28-30 28-31 32-34
 34-35 34-36 35-39

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

exact/norm bonds :

2-33 5-7 7-8 8-9 9-10 13-32 32-34 34-36 35-39

exact bonds :

1-28 3-24 8-37 8-38 12-16 14-20 16-17 16-18 16-19 20-21 20-22 20-23
 24-25 24-26 24-27 28-29 28-30 28-31 34-35

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 10-11 10-15 11-12 12-13 13-14 14-15

Match level :

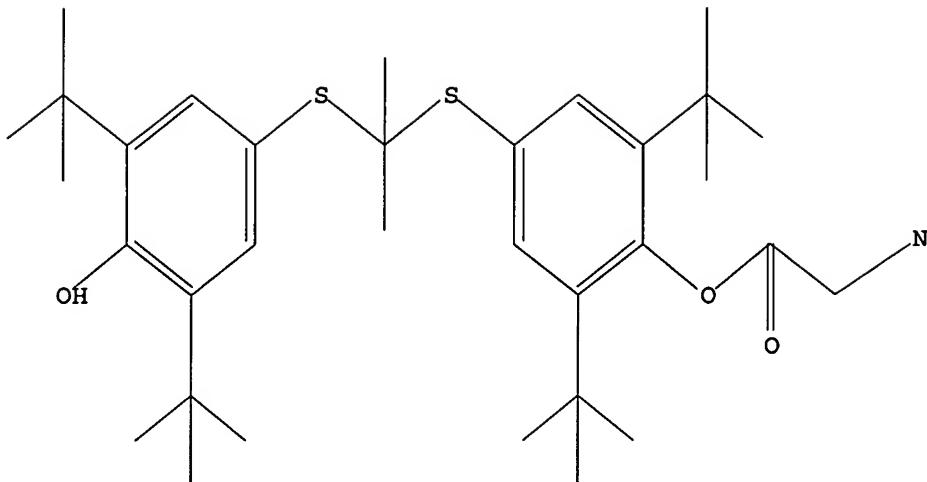
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 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:CLASS 17:CLASS 18:CLASS 19:CLASS
 20:CLASS 21:CLASS 22:CLASS 23:CLASS 24:CLASS 25:CLASS 26:CLASS 27:CLASS
 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS
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L4 STRUCTURE UPLOADED

=> d 14

L4 HAS NO ANSWERS

L4 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 15 TO ITERATE

100.0% PROCESSED 15 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 68 TO 532
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> search l4 sss full

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FULL SCREEN SEARCH COMPLETED - 260 TO ITERATE

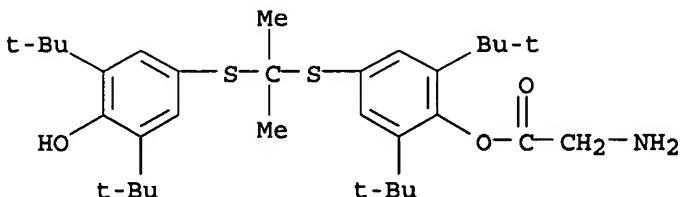
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1 ANSWERS

L6 1 SEA SSS FUL L4

=> d scan

L6 1 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN
IN Glycine, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI)
MF C33 H51 N O3 S2

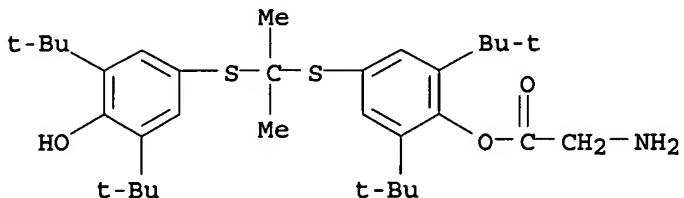


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

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L6 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
RN 216167-93-0 REGISTRY
ED Entered STN: 29 Dec 1998
CN Glycine, 4-[[1-[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]thio]-1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl)phenyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C33 H51 N O3 S2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

	SINCE FILE ENTRY	TOTAL SESSION
=> file caplus		
COST IN U.S. DOLLARS		
FULL ESTIMATED COST	341.50	341.92

FILE 'CAPLUS' ENTERED AT 07:24:28 ON 30 AUG 2006
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FILE LAST UPDATED: 29 Aug 2006 (20060829/ED)

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=> 16/prep

5 L6
3519114 PREP/RL
L7 1 L6/PREP
(L6 (L) PREP/RL)

=> d 17 ti fbib abs

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of phenolic compounds for the inhibition of the expression of
VCAM-1
AN 1998:761875 CAPLUS
DN 130:13646
TI Preparation of phenolic compounds for the inhibition of the expression of
VCAM-1
IN Medford, Russell M.; Somers, Patricia K.; Hoong, Lee K.; Meng, Charles Q.
PA Atherogenics, Inc., USA
SO PCT Int. Appl., 109 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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			WO 1998-US9781	W 19980514
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			US 1997-47020P	P 19970514
			WO 1998-US9781	W 19980514
IL 157078	A1	20050517	IL 1998-157078	19980514
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NO 316221	B1	20031229		
			US 1997-47020P	P 19970514
			WO 1998-US9781	W 19980514
MX 9910402	A	20000630	MX 1999-10402	19991112
			US 1997-47020P	P 19970514
			WO 1998-US9781	W 19980514
HK 1025947	A1	20050617	HK 2000-105042	20000814
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			WO 1998-US9781	W 19980514
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			US 1998-79213	A1 19980514
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PATENT FAMILY INFORMATION:

FAN 1998:761806

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NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA,

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 US 1997-47020P P 19970514

CA 2292388 AA 19981119 CA 1998-2292388 19980514
 CA 2292388 C 20040720 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514

CA 2428130 AA 19981119 CA 1998-2428130 19980514
 US 1997-47020P P 19970514

AU 9875711 A1 19981208 AU 1998-75711 19980514
 AU 747801 B2 20020523 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514

EP 981343 A2 20000301 EP 1998-923411 19980514
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 WO 1998-US9773 W 19980514

TR 9902802 T2 20000421 TR 1999-2802 19980514
 US 1997-47020P P 19970514

BR 9809793 A 20000627 BR 1998-9793 19980514
 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514

TR 9902803 T2 20000721 TR 1999-2803 19980514
 US 1997-47020P P 19970514

NZ 501069 A 20000728 NZ 1997-501069 19980514
 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514

US 6121319 A 20000919 US 1998-78935 19980514
 US 1997-47020P P 19970514

JP 2001524986 T2 20011204 JP 1998-549498 19980514
 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514

CN 1496739 A 20040519 CN 2003-2003153066 19980514
 US 1997-47020P P 19970514

CN 1496740 A 20040519 CN 2003-2003153067 19980514
 US 1997-47020P P 19970514

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 EP 1998-922264 A3 19980514

EP 1468989 A2 20041020 EP 2004-75143 19980514
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 US 1997-47020P P 19970514
 EP 1998-922264 A3 19980514

NZ 528906 A 20050624 NZ 1998-528906 19980514
 US 1997-47020P P 19970514

AT 304350 E 20050915 AT 1998-923411 19980514
 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514

ES 2241139 T3 20051016 ES 1998-922264 19980514
 US 1997-47020P P 19970514

EP 1607089 A1 20051221 EP 2005-76752 19980514
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 EP 1998-923411 A3 19980514

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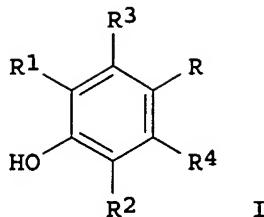
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 US 1997-47020P P 19970514

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AU 2006202461	A1	20060629	AU 2006-202461 US 1997-47020P AU 2002-300328	20060609 P 19970514 A3 20020730
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US 6852878	B2	20050208		
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US 2002188118	A1	20021212	US 2002-115206	20020402
US 6828447	B2	20041207		
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US 2004138147	A1	20040715	US 2003-744763	20031223
US 7087645	B2	20060808		
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			US 2001-815262	A2 20010321
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			US 2003-744763	A1 20031223
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			AU 2002-300328	A3 20020730

OS MARPAT 130:13646
GI



AB Title compds. [e.g., I; R = Z1Z2R5; R1,R2 = (un)substituted (cyclo)alkyl, -(hetero)aryl, etc.; R3,R4 = any group that does not otherwise adversely affect (sic) the desired properties of the mol. including H, halogen, or R1 (sic); R5 = (di)(alkyl)amino, alkyl, alkoxy(carbonyl), (hetero)aryl, etc.; Z1 = O SOO-2, NH, CH2; Z2 = bond, alkylene(oxy) aryleneoxy, etc.] were prepared. Thus, 4-(BrCH₂)C₆H₄CH₂CO₂H was thioetherified by 4-mercaptop-2,6-di-tert-butylphenol to give I [R = SCH₂C₆H₄(CH₂CO₂H)-4, R₁ = R₂ = CMe₃, R₃ = R₄ = H]. Data for biol. activity of I were given.

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L8 5 L6

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L8 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Probucole-related compounds and methods for treating diabetic vascular diseases

L8 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Probucole-related compounds and methods for treating transplant rejection

L8 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Probucole derivatives and methods for treating transplant rejection

L8 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Methods and compositions to lower plasma cholesterol levels

L8 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Preparation of phenolic compounds for the inhibition of the expression of VCAM-1

=> d 18 1-5 ti fbib abs

L8 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Probucole-related compounds and methods for treating diabetic vascular diseases

AN 2006:53906 CAPLUS

DN 144:121801

TI Probucole-related compounds and methods for treating diabetic vascular diseases

IN Sundell, Cynthia L.; Kunsch, Charles

PA Atherogenics, Inc., USA

SO PCT Int. Appl., 83 pp.

CODEN: PIXXD2

DT Patent

LA English

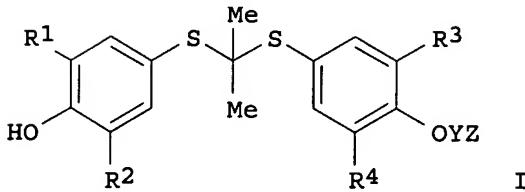
FAN.CNT 1

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PI	WO 2006007508	A2	20060119	WO 2005-US23103	20050630
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US 2006058268 A1 20060316 US 2005-171847 US 2004-584638P P 20040701
 US 2004-584638P P 20050630
 US 2004-584638P P 20040701

OS MARPAT 144:121801
 GI



AB The invention discloses compns. and methods of use of compds. I [Y = bond, C(O); R1-R4 = H, OH, aryl, etc.; Z = alkyl, alkenyl, alkynyl, aryl, etc.], and pharmaceutically acceptable salts thereof, for the treatment of diabetic vascular diseases such as diabetic neuropathy, nephropathy, and retinopathy. Compds. of the invention include e.g. AGIX-4207.

L8 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Probucole-related compounds and methods for treating transplant rejection
 AN 2003:376511 CAPLUS
 DN 138:362670
 TI Probucole-related compounds and methods for treating transplant rejection
 IN Glass, Mitchell; Edwards, David B.
 PA Atherogenics, Inc., USA
 SO PCT Int. Appl., 87 pp.
 CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

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PI	WO 2003039231	A2	20030515	WO 2002-US34187	20021025
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			US 2001-339535P	P 20011025	
			WO 2002-US34187	W 20021025	

US 2003153536	A1	20030814	US 2002-281027	20021025
EP 1446113	A2	20040818	US 2001-339535P	P 20011025
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			US 2001-339535P	P 20011025
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CN 1606436	A	20050413	CN 2002-825601	20021025
JP 2005514344	T2	20050519	US 2001-339535P	P 20011025
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			WO 2002-US34187	W 20021025

OS MARPAT 138:362670

AB The invention discloses the use of probucol-related compds. (Markush included), and pharmaceutically acceptable salts thereof, alone or in combination, for the treatment of transplant rejection.

L8 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Probucl derivatives and methods for treating transplant rejection
 AN 2002:814837 CAPLUS
 DN 137:320305
 TI Probucl derivatives and methods for treating transplant rejection
 IN Edwards, David B.; Somers, Patricia K.; Glass, Mitchell
 PA Atherogenics, Onc., USA
 SO U.S. Pat. Appl. Publ., 22 pp., Cont.-in-part of U.S. Ser. No. 815,262.
 CODEN: USXXCO

DT Patent

LA English

FAN.CNT 4

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PI	US 2002156022	A1	20021024	US 2001-36307	20011025
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PATENT FAMILY INFORMATION:

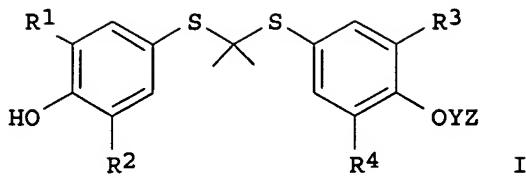
FAN 1998:761806

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OS	MARPAT 137:320305			
GI				



AB The invention discloses the use of I [R1-R4 = H, OH, C1-10 alkyl, aryl, heteroaryl, etc.; Y = bond, C(O); Z = C1-10 alkyl, C2-10 alkenyl, C2-10 alkynyl, etc.], and pharmaceutically acceptable salts thereof, alone or in combination, for the treatment of transplant rejection. Preparation of I [R1-R4 = tert-butyl; YZ = (CH2)3COOH] from probucol which was evaluated in a graft arteriopathy model and Me 4-chlorobutyrate is described.

L8 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

TI Methods and compositions to lower plasma cholesterol levels

AN 2000:335659 CAPLUS

DN 132:343330

TI Methods and compositions to lower plasma cholesterol levels

IN Medford, Russell M.; Saxena, Uday

PA Atherogenics, Inc., USA

SO PCT Int. Appl., 50 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

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AB A method for determining whether a compound binds to a lipoprotein, e.g. LDL or VLDL, in a manner which will lower plasma cholesterol is provided that includes assessing the ability of the compound to form a complex with the lipoprotein, e.g., LDL or VLDL, and then determining whether the newly formed complex causes a change in the structure of apoB-100 that results in

increased binding affinity to the LDL receptor. Also disclosed is a method for lowering cholesterol in a host in need thereof, including a human, that includes the administration of an effective amount of a compound which binds to cholesterol-carrying lipoprotein (e.g. LDL or VLDL) in a manner that alters the three dimensional configuration of the lipoprotein and increases the binding affinity of the apoB-100 protein to the LDL receptor, including those on the surface of a hepatic cell.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of phenolic compounds for the inhibition of the expression of VCAM-1
AN 1998:761875 CAPLUS
DN 130:13646
TI Preparation of phenolic compounds for the inhibition of the expression of VCAM-1
IN Medford, Russell M.; Somers, Patricia K.; Hoong, Lee K.; Meng, Charles Q.
PA Atherogenics, Inc., USA
SO PCT Int. Appl., 109 pp.
CODEN: PIXXD2

DT Patent
LA English

FAN.CNT 4

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PATENT FAMILY INFORMATION:

FAN 1998:761806

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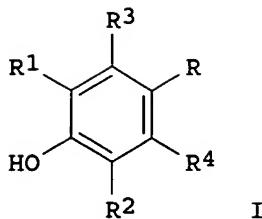
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 US 1997-47020P P 19970514
 CA 2292388 AA 19981119 CA 1998-2292388 19980514
 CA 2292388 C 20040720 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514
 CA 2428130 AA 19981119 CA 1998-2428130 19980514
 US 1997-47020P P 19970514
 AU 9875711 A1 19981208 AU 1998-75711 19980514
 AU 747801 B2 20020523 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514
 EP 981343 A2 20000301 EP 1998-923411 19980514
 EP 981343 B1 20050914
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 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514
 TR 9902802 T2 20000421 TR 1999-2802 19980514
 US 1997-47020P P 19970514
 BR 9809793 A 20000627 BR 1998-9793 19980514
 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514
 TR 9902803 T2 20000721 TR 1999-2803 19980514
 US 1997-47020P P 19970514
 NZ 501069 A 20000728 NZ 1997-501069 19980514
 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514
 US 6121319 A 20000919 US 1998-78935 19980514
 US 1997-47020P P 19970514
 JP 2001524986 T2 20011204 JP 1998-549498 19980514
 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514
 CN 1496739 A 20040519 CN 2003-2003153066 19980514
 US 1997-47020P P 19970514
 CN 1496740 A 20040519 CN 2003-2003153067 19980514
 US 1997-47020P P 19970514
 EP 1464639 A1 20041006 EP 2004-75141 19980514
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 US 1997-47020P P 19970514
 EP 1998-922264 A3 19980514
 EP 2004-75143 19980514
 EP 1468989 A2 20041020 EP 2004-75143 19980514
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 US 1997-47020P P 19970514
 EP 1998-922264 A3 19980514
 NZ 528906 A 20050624 NZ 1998-528906 19980514
 US 1997-47020P P 19970514
 AT 304350 E 20050915 AT 1998-923411 19980514
 US 1997-47020P P 19970514
 WO 1998-US9773 W 19980514
 ES 2241139 T3 20051016 ES 1998-922264 19980514
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 EP 1998-923411 A3 19980514
 ES 2248901 T3 20060316 ES 1998-923411 19980514
 US 1997-47020P P 19970514
 NO 9905543 A 20000110 NO 1999-5543 19991112
 US 1997-47020P P 19970514

MX 9910404	A	20000630	WO 1998-US9773 MX 1999-10404 US 1997-47020P WO 1998-US9773 HK 2000-103938 US 1997-47020P WO 1998-US9773 US 2003-647766 US 1997-47020P US 1998-79213 US 1999-370046 US 2002-60734 AU 2006-202461 US 1997-47020P AU 2002-300328	W 19980514 19991112 P 19970514 W 19980514 20000629 P 19970514 A 19980514 20030825 P 19970514 A1 19980514 A1 19990806 A1 20020130 20060609 P 19970514 A3 20020730
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			WO 2001-US9049	W 20010321
JP 2003528109	T2	20030924	JP 2001-568958	20010321
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			US 1999-370046	A2 19990806
			US 2000-191046P	P 20000321
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US 6147250	A	20001114	US 1998-79213	19980514
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EP 1464639	A1	20041006	EP 2004-75141	19980514
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US 6548699	B1	20030415	US 1999-370046	19990806
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			US 1998-79213	A1 19980514
US 2002016300	A1	20020207	US 2001-815262	20010321
US 6852878	B2	20050208		
			US 1998-79213	A 19980514
			US 1999-370046	A 19990806
			US 2000-191046P	P 20000321
US 2002177717	A1	20021128	US 2002-60734	20020130
US 6617352	B2	20030909		
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			US 1998-79213	A1 19980514
			US 1999-370046	A1 19990806
US 2002169215	A1	20021114	US 2002-114346	20020402
US 6602914	B2	20030805		
			US 1997-47020P	P 19970514
			US 1998-79213	A1 19980514
			US 1999-370046	A1 19990806
US 2002188118	A1	20021212	US 2002-115206	20020402
US 6828447	B2	20041207		
			US 1997-47020P	P 19970514
			US 1998-79213	A1 19980514
			US 1999-370046	A1 19990806
US 2002193446	A1	20021219	US 2002-114351	20020402
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			US 1999-370046	A1 19990806
US 2005090487	A1	20050428	US 2003-647766	20030825
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			US 1998-79213	A1 19980514
			US 1999-370046	A1 19990806
			US 2002-60734	A1 20020130
US 2004138147	A1	20040715	US 2003-744763	20031223
US 7087645	B2	20060808		
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			US 1998-79213	A1 19980514
			US 1999-370046	A2 19990806
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			US 2001-815262	A2 20010321
			US 2001-36307	A1 20011025
US 2005171028	A1	20050804	US 2005-54644	20050208
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			US 2001-815262	A1 20010321
US 2006189581	A1	20060824	US 2006-405798	20060418
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			US 1998-79213	A1 19980514
			US 1999-370046	A2 19990806
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			US 2001-815262	A2 20010321
			US 2001-36307	A1 20011025
			US 2003-744763	A1 20031223
AU 2006202461	A1	20060629	AU 2006-202461	20060609
			US 1997-47020P	P 19970514
			AU 2002-300328	A3 20020730

OS MARPAT 130:13646
GI



AB Title compds. [e.g., I; R = Z1Z2R5; R1,R2 = (un)substituted (cyclo)alkyl, -(hetero)aryl, etc.; R3,R4 = any group that does not otherwise adversely affect (sic) the desired properties of the mol. including H, halogen, or R1 (sic); R5 = (di)(alkyl)amino, alkyl, alkoxy(carbonyl), (hetero)aryl, etc.; Z1 = O SOO-2, NH, CH2; Z2 = bond, alkylene(oxy) aryleneoxy, etc.] were prepared. Thus, 4-(BrCH₂)C₆H₄CH₂CO₂H was thioetherified by 4-mercapto-2,6-di-tert-butylphenol to give I [R = SCH₂C₆H₄(CH₂CO₂H)-4, R₁ = R₂ = CMe₃, R₃ = R₄ = H]. Data for biol. activity of I were given.

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FULL ESTIMATED COST

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NEWS 7 MAY 19 Derwent World Patents Index to be reloaded and enhanced
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NEWS 9 MAY 30 The F-Term thesaurus is now available in CA/CAplus
NEWS 10 JUN 02 The first reclassification of IPC codes now complete in
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NEWS 11 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 12 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 13 JUL 11 CHEMSAFE reloaded and enhanced

NEWS 14 JUL 14 FSTA enhanced with Japanese patents
NEWS 15 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 16 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 17 AUG 28 ADISCTI Reloaded and Enhanced

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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NEWS IPC8	For general information regarding STN implementation of IPC 8
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DICTIONARY FILE UPDATES: 29 AUG 2006 HIGHEST RN 905300-98-3

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<http://www.cas.org/ONLINE/UG/reqprops.html>

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=> e Phenol,
4-((1-((4-(acetyloxy)-3,5-bis(1,1-dimethylethyl)phenyl)thio)-1-methylethyl)thio)-2,6
-bis(1,1-dimethylethyl)-/cn
E1      1      PHENOL, 4-((1-((4-(4-AMINOBUTOXY)-3,5-DIMETHYLPHENYL)THIO)-1
                  -METHYLETHYL)THIO)-2,6-BIS(1,1-DIMETHYLETHYL)-/CN
E2      1      PHENOL, 4-((1-((4-(4-AMINOBUTOXY)PHENYL)THIO)-1-METHYLETHYL)
                  THIO)-2,6-BIS(1,1-DIMETHYLETHYL)-/CN
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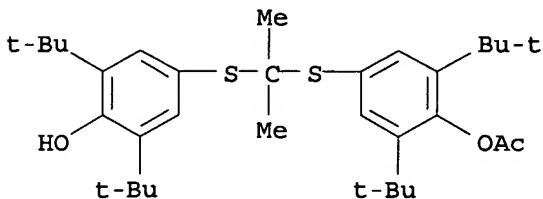
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 O) -/CN
 E7 1 PHENOL, 4-((1-((4-METHOXYPHENYL)METHYL)-1H-TETRAZOL-5-YL)(4-
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 E8 1 PHENOL, 4-((1-((4-METHOXYPHENYL)METHYL)-4-PIPERIDINYL)THIO) -
 /CN
 E9 1 PHENOL, 4-((1-(1-(2,6-DIMETHYLPHENYL)-1H-TETRAZOL-5-YL)CYCLO
 HEXYL)AMINO) -/CN
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 PENTYL)AMINO) -/CN
 E11 1 PHENOL, 4-((1-(1-(METHOXYMETHYL)PROPYL)-6-METHYL-1H-1,2,3-TR
 IAZOLO(4,5-C)PYRIDIN-4-YL)AMINO)-3-METHYL -/CN
 E12 1 PHENOL, 4-((1-(1-AZETIDINYL)CYCLOHEXYL)METHYL) -/CN

=> e3

L1 1 "PHENOL, 4-((1-((4-(ACETYLOXY)-3,5-BIS(1,1-DIMETHYLETHYL)PHENYL)
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L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 729583-53-3 REGISTRY
 ED Entered STN: 21 Aug 2004
 CN Phenol, 4-[[1-[[4-(acetyloxy)-3,5-bis(1,1-dimethylethyl)phenyl]thio]-
 1-methylethyl]thio]-2,6-bis(1,1-dimethylethyl) - (9CI) (CA INDEX
 NAME)
 FS 3D CONCORD
 MF C33 H50 O3 S2
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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FULL ESTIMATED COST	7.10	7.31

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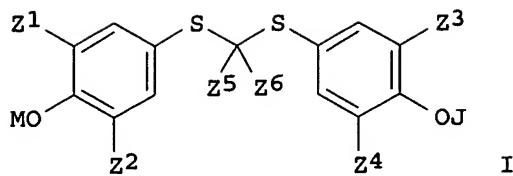
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L2 2 L1

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L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
TI Process for preparing esters of probucol and derivatives thereof using acid anhydrides in the presence of DBU or DBN.
AN 2005:1170583 CAPLUS
DN 143:440071
TI Process for preparing esters of probucol and derivatives thereof using acid anhydrides in the presence of DBU or DBN.
IN Weingarten, David M.
PA Atherogenics, Inc., USA
SO PCT Int. Appl., 68 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

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	US 2005267187	A1	20051201	US 2004-564267P	P 20040420
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OS	MARPAT 143:440071				
GI					



AB Title compds. [I; Z1-Z4 = H, (substituted) alkyl; Z5, Z6 = (substituted) alkyl, alkenyl, aryl; Z5Z6 = atoms to form a carbocyclic ring; M = H, (substituted) (unsatd.) acyl; J = (substituted) (unsatd.) acyl], were prepared by reaction of I (M, J = H; other variables as above) with (substituted) (unsatd.) acyl halides, carboxylic acid anhydrides, or carboxylic acid esters in the presence of R1R3NCY(:NR4) (Y = R2, NR2R5; R1-R5 = (substituted) alkyl, alkenyl; R1R2, R3R4 = atoms to form rings). Thus, probucol, succinic anhydride, and DBU were stirred in MeCN at 50° for 1 h to give a mixture comprising probucol monosuccinate 49 weight%, probucol disuccinate 18 weight%, and probucol 33 weight%.

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Process of preparing esters and ethers of probucol and derivatives thereof
 AN 2004:610066 CAPLUS
 DN 141:156929
 TI Process of preparing esters and ethers of probucol and derivatives thereof
 IN Weingarten, M. David; Sikorski, James A.
 PA Atherogenics, Inc., USA
 SO PCT Int. Appl., 136 pp.
 CODEN: PIXXD2

DT Patent

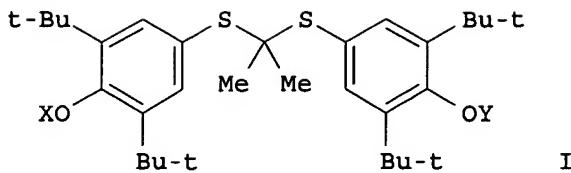
LA English

FAN.CNT 1

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				WO 2004-US805	W 20040113
	CN 1759084	A	20060412	CN 2004-80006265	20040113
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OS MARPAT 141:156929

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AB Probucol or a probucol derivative can be efficiently converted to a monoester or monoether of probucol (I) [wherein R1-R4 = H, (un)substituted alkyl; R5, R6 = each (un)substituted alkyl, alkenyl, or aryl; or R5 and R6 can come together to form a carbocyclic ring; X, Y = H, optionally substituted (un)saturated acyl having from 1 to 18 carbon atoms each optionally containing polar or charged functionality] by reacting the free hydroxyl-containing probucol or a derivative thereof (by which is meant a probucol compound with at least one substituent that is different from that on the parent probucol mol. but which maintains the two free hydroxyl groups), i.e., I (X = Y = H; R1-R6 = same as above), with a Grignard reagent or a lithium reagent that produces a magnesium bromide or lithium salt of probucol or the probucol derivative. The probucol compound anion is then reacted with an ester or ether forming compound. Thus, in a dry 25 mL 3-neck round bottom flask fitted with a reflux condenser, nitrogen inlet, thermocouple and stir bar was charged probucol (0.25 g, 0.48 mmol) followed by 2.5 mL anhydrous toluene and then isopropylmagnesium chloride (0.51 mL, 2.0 M in THF) in 1 portion. The reaction was brought to room temperature and then succinic anhydride (0.25 g, 2.5 mmol) was added in 1 portion. After aging for 45 min, the reaction was slowly quenched with 1 N HCl and diluted with EtOAc. The biphasic reaction was then cooled to room temperature and the phases were separated to give an organic layer containing 60% probucol monosuccinate, 13% probucol disuccinate, and 27% probucol according to HPLC anal.

=> logoff hold
 COST IN U.S. DOLLARS
 FULL ESTIMATED COST

	SINCE FILE ENTRY	TOTAL SESSION
	9.16	16.47
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.50	-1.50

SESSION WILL BE HELD FOR 60 MINUTES
 STN INTERNATIONAL SESSION SUSPENDED AT 08:43:34 ON 30 AUG 2006